



**JARIPADA, CUTTACK**  
(Co-Educational Day Boarding cum Residential)  
Affiliated to CBSE, New Delhi, Affiliation No. 1530270  
**KAT EXAMINATIONS (2026-27)**

**Admission Exam for XI Science**

**Mode of Exam: Offline Only**

**Date of Exam: 20<sup>th</sup> December 2025 & 17<sup>th</sup> January 2026.**

**Venue: Krishnamurty World School Campus**

**Timing: 10:00 AM to 12:00 Noon.**

**Contact Details to Register: +91-9438556301, 8984368529**

**Mail ID: krishnamurtyworldschool@gmail.com**

### **EXAMINATION PATTERN**

**NO. OF QUESTIONS (100)**

Each correct answer carries 2 marks and no negative marking.

Types of Examination is MCQ with 1 correct option.

Duration of examination is 2 Hours.

Sections	Subject Categories	Number of Questions	Marks
Section – A	English and Reasoning	20	40
Section – B	Physics	20	40
Section – C	Chemistry	20	40
Section – D	Biology	20	40
Section – E	Mathematics	20	40
<b>Total</b>		<b>100</b>	<b>200</b>

### **SYLLABUS FOR ENTRANCE EXAM – 2026**

#### **ENGLISH AND REASONING:**

1. Reading; Comprehension
2. Grammar:
  - (a) Tenses
  - (b) Voice
  - (c) Determiners
  - (d) Prepositions
  - (e) Subject-Verb Agreement
  - (f) Reported Speech
  - (g) Modals
  - (h) Non-Finite Verbs
3. Vocabulary: Antonyms & Synonyms
4. Reasoning:
  - (a) Verbal and Non-Verbal Analogy
  - (b) Verbal and Non-Verbal Series
  - (c) Classification
  - (d) Coding-Decoding
  - (e) Blood Relations
  - (f) Missing Characters
  - (g) Ranking and Arrangements

## **PHYSICS:**

1. Motion in a straight line
2. Force & laws of motion
3. Friction
4. Gravitation
5. Floatation
6. Work, Energy & Power
7. Sound
8. Reflection & Refraction of Light, Mirror, Lenses & Prism
9. Human Eyes & Colourful World
10. Electric Current, Heating Effect of Current
11. Magnetism, Magnetic Effect of Current

## **CHEMISTRY:**

1. Matter in our Surrounding
2. Is matter around us pure?
3. Atoms & Molecules
4. Structure of Atom
5. Gases State of Matter
6. Chemical Equation & Reactions
7. Acid Base & Salts
8. Metal & Non-metal
9. Carbon and its Compound
10. Electrolysis
11. Metallurgy

## **BIOLOGY:**

1. Cell & its Organisation
2. Tissue system
3. Natural Resources & Pollutions
4. Nutritions
5. Transport in Plants
6. Photosynthesis in Plants
7. Circulation
8. Excretion
9. Control & Co-ordinations in Plants & Animals
10. Reproductive System in Organisms
11. Genetics-Hereditry in our Environment
12. Eco-System

## **MATHEMATICS:**

1. Number System
2. Polynomials
3. Lines and Angles
4. Circles
5. Mensuration
6. Real Numbers
7. Polynomials
8. Quadratic Equations
9. Pairs of Linear Equation in Two Variables
10. Arithmetic Progression
11. Trigonometry

